

L Number	Hits	Search Text	DB	Time stamp
-	598	701/300.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 16:32
-	706	(road and window\$1) and gradient\$1 and coordinat\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 16:13
-	537	((road and window\$1) and gradient\$1 and coordinat\$5) and (accurac\$5 or precision\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 16:14
-	676	((road and window\$1) and gradient\$1 and coordinat\$5) and (accurac\$5 or precision\$5 or close\$3 or metric\$3 or match\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 16:14
-	4222	382/100,104;340/907;348/113;701/200,300.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/18 18:47
-	30	382/100,104;340/907;348/113;701/200,300.ccls. and road and window\$1 and gradient\$1 and coordinates	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/18 18:52
-	9	(382/100,104;340/907;348/113;701/200,300.ccls. and road and window\$1 and gradient\$1 and coordinates) and ((vehicle or car or automobile) near4 lateral)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/18 18:52
-	5684	382/104,107,199,202;404/12,13,16;701/23,28,41; and road	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:10
-	1631	382/104,107,199,202;404/12,13,16;701/23,28,41; and road	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/19 19:21
-	309	(382/104,107,199,202;404/12,13,16;701/23,28,41; and road) and ((line or lane) near3 (determin\$ or detect\$4 or calcul\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/19 19:22

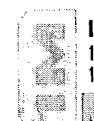
-	39	((382/104,107,199,202;404/12,13,16;701/23,28,41) and road) and ((line or lane) near3 (determin\$ or detect\$4 or calculat\$5))) and gradient\$1 and coordinate\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/19 19:32
-	1428	road and ((line or lane) near7 recogni\$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/19 19:33
-	15	(road and ((line or lane) near7 recogni\$8)) and ((gradient and coordinate\$1) same (lane or line))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/19 19:52
-	1414	382/100.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/19 19:52
-	868	382/100.ccls. and (lane or line)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/19 19:53
-	41	(382/100.ccls. and (lane or line)) and road	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/19 19:53
-	5684	382/104,107,199,202;404/12,13,16;701/23,28,41;703/24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 06:47
-	241	382/104,107,199,202;404/12,13,16;701/23,28,41;703/24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100 and (road near4 line)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:10
-	5684	382/104,107,199,202;404/12,13,16;701/23,28,41;703/24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:11
-	329	382/104,107,199,202;404/12,13,16;701/23,28,41;703/24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100 and (road near3 (lane or line))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:18

-	24	(382/104,107,199,202;404/12,13,16;701/23,28,41;USPAT;cls. and (road near3 (lane or line))) and gradient\$1 and coordinate\$1	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:12
-	1	(road near3 (lane or line)) and ((window\$1 or display\$1) near4 (gradient\$1 and coordinate\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:21
-	505	((white near2 line\$1) near4 (detect\$5 or recogniz\$6)) and road	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:22
-	25	((white near2 line\$1) near4 (detect\$5 or recogniz\$6)) and road) and gradient\$1 and coordinate\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:22
-	0	intelligent near3 vehicle\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:31
-	26157	automatic near3 driv\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:32
-	29971	automatic near3 (driv\$4 or steer\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:32
-	11917	(automatic near3 (driv\$4 or steer\$4)) and (lane or line)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:33
-	0	((automatic near3 (driv\$4 or steer\$4)) and (lane or line)) and gradient\$1 and cordinate\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:34
-	4845369	o	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:34

-	156	((automatic near3 (driv\$4 or steer\$4)) and (lane or line)) and gradient\$1 and coordinate\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/20 07:34
---	-----	--	---	---------------------

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE


[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)

 Welcome
 United States Patent and Trademark Office


>> Search

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **10** of **1071730** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

road lane <and>detect

☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 A study on recognition of road lane and movement of vehicles using vision system***Jin-Woo Lee; Sung-Uk Choi; Young-Jin Lee; Lee, K.S.;*

SICE 2001. Proceedings of the 40th SICE Annual Conference. International Science Papers, 25-27 July 2001

Pages:38 - 41

[\[Abstract\]](#)[\[PDF Full-Text \(271 KB\)\]](#)**IEEE CNF****2 Image understanding based on edge histogram method for rear-end collision avoidance system***Yamada, K.; Ito, T.;*

Vehicle Navigation and Information Systems Conference, 1994. Proceedings., 1994, 31 Aug.-2 Sept. 1994

Pages:445 - 450

[\[Abstract\]](#)[\[PDF Full-Text \(532 KB\)\]](#)**IEEE CNF****3 Road-Boundary Detection and Tracking Using Ladar Sensing***Wijesoma, W.S.; Kodagoda, K.R.S.; Balasuriya, A.P.;*

Robotics and Automation, IEEE Transactions on, Volume: 20, Issue: 3, June 2004

Pages:456 - 464

[\[Abstract\]](#)[\[PDF Full-Text \(576 KB\)\]](#)**IEEE JNL****4 A fast and robust vision based road following algorithm***Aufrere, R.; Chapuis, R.; Chausse, F.;*

Intelligent Vehicles Symposium, 2000. IV 2000. Proceedings of the IEEE, 3-5 2000

Pages:192 - 197

[\[Abstract\]](#) [\[PDF Full-Text \(456 KB\)\]](#) [IEEE CNF](#)

5 Results on visual road recognition for road vehicle guidance

Behringer, R.; Maurer, R.B.M.;

Intelligent Vehicles Symposium, 1996., Proceedings of the 1996 IEEE , 19-20 1996

Pages:415 - 420

[\[Abstract\]](#) [\[PDF Full-Text \(536 KB\)\]](#) [IEEE CNF](#)

6 Finding and tracking road lanes using "line-snakes"

Dong Jung Kang; Jang Won Choi; In So Kweon;

Intelligent Vehicles Symposium, 1996., Proceedings of the 1996 IEEE , 19-20 1996

Pages:189 - 194

[\[Abstract\]](#) [\[PDF Full-Text \(1136 KB\)\]](#) [IEEE CNF](#)

7 On-board camera 3D-motion analysis

Uchimura, K.; Zhencheng Hu;

Information, Decision and Control, 2002. Final Program and Abstracts , 11-13 2002

Pages:123 - 128

[\[Abstract\]](#) [\[PDF Full-Text \(197 KB\)\]](#) [IEEE CNF](#)

8 Curve finder combining perceptual grouping and a Kalman like fittir

Guichard, F.; Tarel, J.-P.;

Computer Vision, 1999. The Proceedings of the Seventh IEEE International Conference on , Volume: 2 , 20-27 Sept. 1999

Pages:1003 - 1008 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(136 KB\)\]](#) [IEEE CNF](#)

9 A robust lane detection using real-time voting processor

Takahashi, A.; Ninomiya, Y.; Ohta, M.; Tange, K.;

Intelligent Transportation Systems, 1999. Proceedings. 1999 IEEE/IEEEJ/SAI International Conference on , 5-8 Oct. 1999

Pages:577 - 580

[\[Abstract\]](#) [\[PDF Full-Text \(548 KB\)\]](#) [IEEE CNF](#)

10 Understanding driving situations using a network model

Ito, T.; Yamada, K.; Nishioka, K.;

Intelligent Vehicles '95 Symposium., Proceedings of the , 25-26 Sept. 1995

Pages:48 - 53

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) [IEEE CNF](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership | Publications/Services | Standards | Conferences | Careers/Jobs

Welcome
United States Patent and Trademark Office

Help | FAQ | Terms | IEEE Peer Review

Quick Links

» Se.

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **3** of **1071730** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

road lane <and> recognize

Search

☐ Check to search within this result set

Results Key:

JNL = Journal or Magazine **CNF** = Conference **STD** = Standard**1 A study on recognition of road lane and movement of vehicles using vision system***Jin-Woo Lee; Sung-Uk Choi; Young-Jin Lee; Lee, K.S.;*

SICE 2001. Proceedings of the 40th SICE Annual Conference. International Science and Engineering Papers, 25-27 July 2001

Pages:38 - 41

[\[Abstract\]](#)[\[PDF Full-Text \(271 KB\)\]](#)**IEEE CNF****2 Results on visual road recognition for road vehicle guidance***Behringer, R.; Maurer, R.B.M.;*

Intelligent Vehicles Symposium, 1996., Proceedings of the 1996 IEEE, 19-20 1996

Pages:415 - 420

[\[Abstract\]](#)[\[PDF Full-Text \(536 KB\)\]](#)**IEEE CNF****3 A study on recognition of lane and movement of vehicles for port area vision system***Jin Woo Lee; Jung Ho Kim; Young Jin Lee; Kwon Soon Lee;*

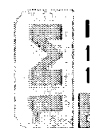
Industrial Electronics, 2002. ISIE 2002. Proceedings of the 2002 IEEE International Symposium on, Volume: 2, 8-11 July 2002

Pages:463 - 466 vol.2

[\[Abstract\]](#)[\[PDF Full-Text \(332 KB\)\]](#)**IEEE CNF**

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account |
 New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online
 Publications | Help | FAQ | Terms | Back to Top

Copyright © 2004 IEEE — All rights reserved

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)Welcome
United States Patent and Trademark Office

>> See

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

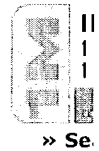
- ☐ Access the IEEE Enterprise File Cabinet

Your search matched **0** of **1071730** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**Results:****No documents matched your query.**[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)Welcome
United States Patent and Trademark Office[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)[Quick Links](#)**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Your search matched **1** of **1071730** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 1.5 TXPS convolver using 5b analog flash for real-time large-kernel image filtering***Kramer, A.; Fabbrizio, V.; Mariaud, X.; Raynal, F.;*

Solid-State Circuits Conference, 1998. Digest of Technical Papers. 45th ISSCC 1998 IEEE International , 5-7 Feb. 1998

Pages:196 - 197, 437

[\[Abstract\]](#) [\[PDF Full-Text \(620 KB\)\]](#) **IEEE CNF** **Print Format**[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved